

PRECISION ENVIRONMENTAL SERVICES, INC.

BULK ANALYSIS REPORT

Page #: 2 of 2

Client: Alaska Copper

Report #: 1296223

Project: 4700 Colorado

Report Date: 12-13-96

P.O. #: M-73429

Date Analyzed: 12-13-96

Client/Lab Number	Sample Location & Description	Asbestos Type / %	Other Material
1296223 1	Lt. brown & gray, white painted caulking material.	Chrysotile 1-3%	cellulose (<1%) binder, paint

LAB ID #: 1296233

SAMPLE DESCRIPTION

1 Casey

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TIME: 10:38

TIME: 0:37

FAX (206) 244-4047

PRECISION
ENVIRONMENTAL
SERVICES, INC.

NVLAP Accredited
LAB #1631
PAT #11567

BILL TO

Alaskan Copper Works
628 Hanford St.
Seattle, WA 98134

PROJECT NAME/NUMBER

4700 Colorado

DATE	INVOICE NO.	P.O. NO.	TERMS
12/16/96	1296223	M-73429	Net 30

DESCRIPTION	QTY	RATE	AMOUNT
Bulk Sample Analysis	1	20.00	20.00
1.5% interest assessed on balance over 30 days.			Total \$20.00

14001 57th Ave. S., #110 Tukwila, WA 98168 (206) 244-4005 Fax: (206) 244-4047

PRECISION
ENVIRONMENTAL
SERVICES, INC.

NVLAP Accredited
LAB #1631
PAT #11567

BULK SAMPLE ANALYSIS REPORT

CLIENT: Alaska Copper
628 Hanford St.
Seattle, WA 98134

REPORT #: 1296223
REPORT DATE: 12-13-96

PROJECT: 4700 Colorado
P.O. #: M-73429

DATE RECEIVED: 12-12-96

DATE ANALYZED: 12-13-96

PAGE: 1 of 2

Attached are the results of analysis of 1 bulk sample submitted for asbestos identification, Lab ID #1296223.

The sample was analyzed in accordance with method EPA-600/M4-82-020: "Interim Method for the Determination of Asbestos in Bulk Samples".

The sample was initially examined under a Nikon SMZ - 2T stereoscopic microscope at a magnification of 10X to 60X. Fibrous material was examined for morphology and content.

Representative fibers from the sample were immersed in a fluid with a known refractive index. The specimens were examined under polarized light using a Nikon Labophot microscope with a McCrone Dispersion Staining objective under 100X magnification. Optical characteristics of the fibrous material were examined to determine the mineralogy of the fiber. The observed optical characteristics include angles of extinction, sign of elongation and refractive indices.

Separate layers of this homogeneous sample were analyzed and reported separately. Unless otherwise stated, asbestos content was quantified by calibrated visual estimation (CVES). Samples in which no asbestos was observed are reported "none detected".

The sample analyzed in this report was provided by third parties not subject to control by PRECISION ENVIRONMENTAL SERVICES (PES). Consequently, the results presented represent microscopic examinations in PES laboratory facilities and PES makes no representation as to sample collection techniques or procedures. Test results pertain only to the samples submitted for analysis.

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Analyst - William F. Golloway

Samples Collected by - Third party.

Reports Reviewed by - 
(Approved Signatory)